**Finding Area with Fractional Side Lengths - Direct Instructions Notes**

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| What if our dimensions were fractions?...Jessica has a small rug that is 2/5 ft long and 1/3 ft wide. What is the total area of her rug?Draw it: Solve it: |
| So:Area: the amount of \_\_\_\_\_\_\_\_\_\_\_\_\_\_ a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ figure takes upEquations/How to Find: \_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_ |
| Chloe is painting one part of her bedroom wall. The rectangle she wants to paint is 3/4 yds by 4 yds? How much of the wall is Chloe going to paint?Draw it: Solve it: |

**Finding Area with Fractional Side Lengths - Guided Practice**

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| The woods behind Adam’s house were 2/3 miles wide and 1/5 miles long. What is the area of the woods? Draw It:Shape 93Solve It: | Georgia has a new poster she wants to hang on her wall. The base was 5/8 feet and the height was 2 feet. What is the area of the poster?Solve It:Check with Model: |
| Mrs. Craver is choosing between two Harry Potter posters to hang up. Which of the following posters do you think she will choose? (Hint: She loves Harry Potter A LOT!)Poster A: ⅖ meters x 3 metersPoster B: ⅚ meters x ⅔ meters | Janet was cutting out some fabric for a friend. She cut a piece that was 7/8 centimeters wide and 3/4 centimeters long. What was the area of the fabric she cut out? Draw it:Solve it:Write an addition statement that would also solve: |

**Independent Practice**

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| 1-Millie was helping her teacher hang up a bulletin board in the classroom. They need to get paper that will cover a board that is 3 yards by 7/8 yards. How much paper will they need? | 2-What is the area of a square with a side length of 7/10 cm? Draw a model to prove your answer. |
| 3-Nick went online and to order a sticker. The sticker is 2/5 in by 3/4 in. He wants to know how much room the sticker will take on his notebook. How many square inches is the painting? 1. 6/10 in2
2. 3/10 in2
3. ½ in2
4. 1/3 in2
 | 4-John is creating a new pasture on his farm. He has measured off a piece of land that is 4 acres by ⅚ acres. What is the total area of his new pasture? Create and addition and multiplication equation to solve. |
| 5-A dog run at the park measures 22 meters long and ⅔ meters wide. What is the total area of space the dogs have to run? Challenge: If the park decided to separate it into 2 equal parts, how big would each part be? |